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INFORMATION REPORTFup
948

COUNTRY Germany (Russian Zone)

SUBJECT Current Production in Factories in the
Dresden Area; Mining Academy, Freiburg

DATE DISTR. 30 September 1948

NO. OF PAGES 2

PLACE
ACQUIRED [REDACTED]

25X1A6a

NO. OF ENCLS.
(LISTED BELOW)

DATE OF INFO [REDACTED]

SUPPLEMENT TO
REPORT NO.

25X1X6

1. Brückner & Kanis, Dresden: In June the construction of a new turbine was started. Approximately 180 men are engaged in this work. It is doubted that this new gas turbine will be used for locomotives, since it produces 21,000 horse-power, of which 17,000 are used by the compressor. The size of the blades is said to be 320 mm; the profile is curved. On twelve blade rims there are 2000 blades. These are made on a newly-constructed copy milling machine with oil-pressure regulator.
2. Gehe, Dresden: This factory delivers large amounts of hydrogen cyanide (hydrocyanic acid) to the SMA Dresden, which regularly collects the containers, using three-axle trucks with Russian crews. The hydrocyanic acid is transported in bomb-like containers, which are connected by a bent tube in units of two.
3. Sächsische Serum-Werke, Dresden: This firm is running at full capacity for the Russian medical administration and produces vaccine matter. It produces chiefly tetanus serum, typhus serum, and Evipan. In addition, other medicines are delivered for field dispensaries.
4. Heyden, Dresden: This factory has been working on a large order from SMA Berlin since December 1947. It is producing poisonous preparations, said to be more than 200 tons, using a base of potassium cyanide.
5. Koch & Sterzel, Dresden: Experiments are under way to construct elements with atomic weight of 247, using uranium transisotope with ordinal number 96 (curium). In addition, heat batteries are being constructed with atomic energy, for which uranium-isotope U 235 is not used. Also under construction is a linear accelerator. This machine is used for the acceleration of atomic particles which are exposed to electrical fields in a straight tube. These electrical fields act upon different places of the path. This machine accelerates the velocity of both light and heavy atomic particles.
6. Zeiss-Ikon, Dresden: In the Ernemann-Werk, Schandauerstrasse, which is one of several plants belonging to this firm, telescopic lenses for light weapons are being built. This is a new invention known as "Infrarotstrahler". This device is a telescopic sight for light weapons, making it possible to see the target under unfavorable light conditions. On the basis of a secret Russian order, an underwater telescopic camera is being built according to Russian specifications.

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Document No. 8NO CHANGE in Class. ☐☐ DECLASSIFIEDClass. CHANGED TO: TS S ☒

DDA Memo, 4 Apr 77

G. 77/1763

Approved For Release 1999/09/06 : CIA-RDP80-00457R001800910009-7

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CENTRAL INTELLIGENCE AGENCY

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A co-axial cable is used for transmission of the telescopic image to the receiver. This section is under especially close guard.

7. Mining Academy, Freiburg: Approximately 200 mine workers (reliable Communists) are being given engineering training in accelerated courses in order to be used in Russia. Three semesters of study are eliminated in this training for the Soviet Union. Moreover, recruitment for work in the Soviet Union is being carried on among the students at the Technische Hochschule. An attempt is being made to recruit these students in order to establish ties with Russia.

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